

3rd International Workshop on Grid Computing for Complex Problems
GCCP 2007
Bratislava, Slovak Republic
October 22-23, 2007

Final program

Monday	22.10.2007	10:00 – 12:00	Tutorial: "Setting up EGEE Grid site"
Monday	22.10.2007	13:00 – 13:30	Registration
		13:30 – 13:40	Opening session
		13:40 – 14:20	Invited lecture
		14:20 – 16:00	Session 1
		16:00 – 16:20	Coffee break
		16:20 – 18:00	Session 2
		18:00	Reception
Tuesday	23.10.2007	9:00 – 9:40	Invited lecture
		9:40 – 11:00	Session 3
		11:00 – 11:20	Coffee break
		11:20 – 13:00	Session 4
		13:00 – 14:00	Lunch
		14:00 – 15:40	Grid Tutorials
		15:40 – 16:00	Coffee break
		16:00 – 17:20	Session 5
		17:20 – 17:35	Panel / Round table
		17:35 – 17:50	Consortium "Slovak grid"
		17:50 – 18:00	Program committee meeting
		18:00	Closing ceremony

Monday October 22, 2007

10:00

Tutorial 1

Setting up EGEE Grid site

Ján Astaloš

13:30

Opening ceremony

Ladislav Hluchý

13:40

Invited lecture

High-throughput computing in molecular modeling and design

Tibor Kožár

14:20

Session 1

Grid and Service-oriented Computing

Chair person: Ladislav Hluchý

Web services composition supported by collaboration

Mária Bieliková, Ivan Kapustík, Pavol Návrat, Viera Rozinajová

Dynamic runtime environment and its usage for workflow submission

Marek Kočan

Concentrator placement problem solution in the optimized radio network design

Jozef Petrek

A Practical Component Framework for Development of Scientific Grid Applications

Viera Šipková, Radoslav Forgáč, Ján Astaloš, Viet D. Tran, and Miroslav Dobrucký

Workflow composition service for Grid applications

Viet D. Tran

16:20

Session 2

Environmental Applications and Distributed Computing

Chair person: Branislav Šimo

Improvement of Fire Hazard Mapping : Road Traffic and Topography effects

Veronique Cesari, Frédérique Giroud, and Claude Picard

A visualization in cluster environment

Branislav Sobota, Marek Straka, and Ján Perháč

Use of remote sensing data and GIS technologies for environmental modeling: The AIRSAT project

Panagiotis E. Symeonidis, Athina Kokonozi, Kostas Kourtidis, and Evangelos Kosmidis

3D Visualization Tool for Visualization of Running Grid oriented Applications

Eva Pajorová

Framework for Visualization and Monitoring of Grid Applications

Peter Slížik and Ladislav Hluchý

Tuesday October 23, 2007

9:00

Invited lecture

The formation of the outer comet Oort cloud. Simulating the first giga-year of the evolution
Marián Jakubík, Luboš Neslušan, Piotr A. Dybczynski, Giuseppe Leto, Tomáš Paulech

9:40

Session 3

Distributed Computing and Large Scale Applications

Chair person: Luboš Neslušan

Tools for effective execution of parameter studies in EGEE grid
Ján Astaloš, Miroslav Dobrucký

Material tension stress-strain curve determination via inverse analysis using finite element method in computational Grids - Conception of the analysis
Ladislav Écsi, Pavel Élesztős, Viera Šipková, Miroslav Dobrucký, Ján Astaloš

Mathematical Model of Aircraft and its Visualization Using MPI
Peter Kvasnica, Tomáš Páleník, Michal Čížmár

Metadata in Problem Solving Environment for Stereology Based Modeling
Július Parulek, Marek Ciglan, Branislav Šimo, Miloš Šrámek, Ladislav Hluchý, and Ivan Zahradník

11:20

Session 4

Use of Knowledge and Semantics in Distributed Computing

Chair person: Pavol Návrat

Semantic description of the data mining grid services
Martin Sarnovský, Peter Bednar, František Babič, Jozef Wagner

User interface enabling smart semantic composition of web services
Emil Gatíal, Branislav Šimo, Martin Šeleng, Ladislav Hluchý

A Distributed Semantic Repository for Web Services Workflow Composition
Ondrej Habala, Marek Ciglan, and Ladislav Hluchý

Towards Semantic Annotation of Grid Services
Marian Babík, Michal Laclavík, Martin Šeleng, Ladislav Hluchý, and Emil Gatíal

Towards Pro-active Knowledge Sharing in Grid Environment
Michal Laclavík, Martin Šeleng, Ondrej Habala, Branislav Šimo, Marek Ciglan

14:00

Grid Tutorials

Course for grid application developers (3 * 15 min.)

- Introduction to Grid and Grid security (Úvod do Gridu a bezpečnosť v Gride)
- Introduction to gLite (Úvod do gLite)
- Gridification of application (Gridifikácia aplikácie)

Lecturers: Miroslav Dobrucký, Viera Šipková, Viet D. Tran

Grid tutorial and demo (30 min.)

Lecturer: Viera Šipková

16:00

Session 5

Distributed Computing & Large Scale Data Access and Management

Chair person: Miroslav Dobrucký

Fault tolerance techniques for grid environments: An overview

Bartolomej Barra, Ladislav Hluchý

Homogeneous data access authorization handling on heterogeneous grid

Marek Ciglan, Ondrej Habala, Ján Astaloš, and Ladislav Hluchý

About Grid Workflows Verification

Peter Kurdel and Jolana Sebestyénová

Job submission service based on WSRF

Branislav Šimo and Ladislav Hluchý

Presentation equipment

Each talk has a time slot of 20 minutes. Please speak for 15 minutes and leave 5 minutes for questions.

In conference room there will be a Personal Computer available for presentations, with Microsoft Power Point and Adobe Acrobat Reader installed.

You can load your presentation into the PC via

- USB MEMORY KEY
- CD

Please contact your session chair a few minutes before the start of the session with short **biography** written, if not done previously via our conference system.

In case you need to use your personal laptop, please contact your session chair before the session starts.